

**COUNTY OF SAN LUIS OBISPO BOARD OF SUPERVISORS  
AGENDA ITEM TRANSMITTAL**

(1) DEPARTMENT Public Works		(2) MEETING DATE February 7, 2006		(3) CONTACT/PHONE Eric Laurie, Project Manager, Utilities Division (805) 788-2758	
(4) SUBJECT Submittal of a Resolution Authorizing Application for a Department of Health Services Proposition 50 Funding Program Grant for Installation of a Granular Activated Carbon Filter at the Cayucos Water Treatment Plant for County Service Area 10 (Cayucos)					
(5) SUMMARY OF REQUEST Request for approval of the attached resolution authorizing and directing the Public Works Director to apply for a grant from the Department of Health Services Proposition 50 Funding Program, a State bond issuance that generated funding statewide for water quality enhancements, for the installation of a granular activated carbon (GAC) filter at the Cayucos Water Treatment Plant (WTP) for County Service Area 10 (Cayucos).					
(6) RECOMMENDED ACTION It is recommended that your Honorable Board approve the attached resolution authorizing and directing the Public Works Director to apply for Proposition 50 Grant Funding in the amount of \$135,000 for a Granular Activated Carbon Filter for the Cayucos Water Treatment Plant.					
(7) FUNDING SOURCE(S) County Service Area No. 10		(8) CURRENT YEAR COST N/A		(9) ANNUAL COST TBD	
(10) BUDGETED? N/A					
(11) OTHER AGENCY/ADVISORY GROUP INVOLVEMENT (LIST): State Department of Health Services, County Counsel					
(12) WILL REQUEST REQUIRE ADDITIONAL STAFF? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes, How Many? _____ <input type="checkbox"/> Permanent _____ <input type="checkbox"/> Limited Term _____ <input type="checkbox"/> Contract _____ <input type="checkbox"/> Temporary Help _____					
(13) SUPERVISOR DISTRICT(S) 2nd			(14) LOCATION MAP <input checked="" type="checkbox"/> Attached <input type="checkbox"/> N/A		
(15) AGENDA PLACEMENT <input checked="" type="checkbox"/> Consent Hearing (Time Est. _____) <input type="checkbox"/> Presentation Board Business (Time Est. _____)			(16) EXECUTED DOCUMENTS <input checked="" type="checkbox"/> Resolutions (Orig + 4 copies) Contracts (Orig + 4 copies) <input type="checkbox"/> Ordinances (Orig + 4 copies) N/A		
(17) NEED EXTRA EXECUTED COPIES? Number: _____ Attached <input checked="" type="checkbox"/> N/A			(18) APPROPRIATION TRANSFER REQUIRED? Submitted 4/5th's Vote Required <input checked="" type="checkbox"/> N/A		

Reference: 06FEB7-C-9

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(19) ADMINISTRATIVE OFFICE REVIEW
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# SAN LUIS OBISPO COUNTY DEPARTMENT OF PUBLIC WORKS

Noel King, Director

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**TO:** Board of Supervisors

**FROM:** Eric Laurie, Project Manager, Utilities Division *el*

**VIA:** Paavo Ogren, Deputy Public Works Director - Administration *PO*

**DATE:** February 7, 2006

**SUBJECT:** Submittal of a Resolution Authorizing Application for a Department of Health Services Proposition 50 Funding Program Grant for Installation of a Granular Activated Carbon Filter at the Cayucos Water Treatment Plant for County Service Area 10 (Cayucos)

## Recommendation

It is recommended that your Honorable Board approve the attached resolution authorizing and directing the Public Works Director to apply for Proposition 50 Grant Funding in the amount of \$135,000 for a Granular Activated Carbon Filter for the Cayucos Water Treatment Plant.

## Discussion

The Cayucos Water Treatment Plant has experienced seasonal taste and odor problems in the drinking water it produces since the plant began operation in 1997. In addition, the plant must now comply with Stage 1 of the Disinfectant/Disinfection Byproduct (DBP) Rule and it must prepare for compliance with Stage 2 of this rule. Treatment options for taste and odor and for DBP's were evaluated and a granular activated carbon (GAC) adsorption unit was selected as the preferred treatment.

The installation of fixed improvements necessary for the operation of two carbon adsorption filters at the Cayucos Water Treatment Plant was completed in July and August of 2005. This project has two additional phases. First, the GAC filtration unit, a pre-fabricated assembly shipped partially assembled on a skid, will be purchased from the supplier and delivered and off-loaded on to the concrete slab by the manufacturer. The estimated cost of fabricating and furnishing the GAC unit is approximately \$210,000. Last, County personnel will perform and/or obtain minor purchase order contract work required to make electrical and mechanical connections from the GAC unit to the Cayucos WTP and be trained on and facilitate the start-up and operation of this new equipment.

Today's requested action is necessary to continue the process of purchasing and installing the GAC unit at the Cayucos WTP.

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### **Other Agency Involvement**

The State Department of Health Services will review and it is anticipated that they will approve the grant application for completeness. County Counsel has approved the attached resolution as to legal form and effect.

### **Financial Considerations**

Obtaining \$135,000 of Proposition 50 grant funding will help alleviate customer borne costs from the construction of the needed Granular Activated Carbon Filter Unit. CSA 10 currently has the reserves required to complete this project, but doing so will cause the reserves to be diverted from other necessary projects. The amount budgeted for this project is \$532,417 with expected project costs of \$522,066.

For further detail, please refer to Exhibit A.

### **Results**

Approval of the recommended action will probably lead to the receipt of \$135,000 in grant funding for a necessary Cayucos Water Treatment Plant Project that is already underway, thus saving the community that sum of money in their water fund reserves. This project will enhance the delivery of high quality potable water to the residents of the Cayucos area in support of a safe, livable, and prosperous community.

Attachments:        Resolution  
                             Location Map

File:    Districts/CSA#10 (Cayucos)

Reference:    06FEB7-C-9

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**EXHIBIT A**

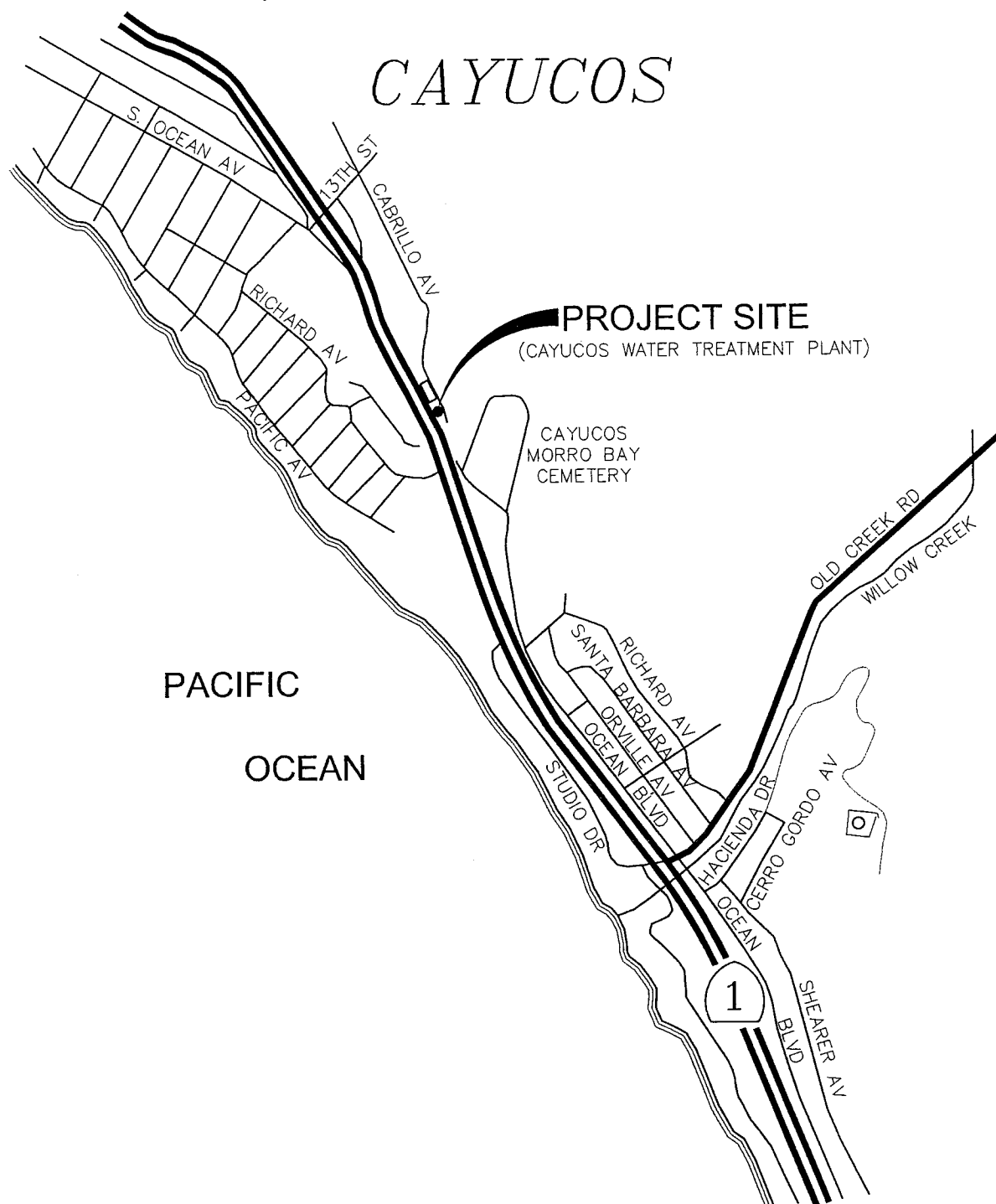
Projected Cost Estimates

**Carbon Adsorption Unit      300203**

<b>EXPENDITURES:</b>	<b>TOTAL PROJECT BUDGET</b>	<b>ESTIMATED PROJECT COSTS</b>	<b>Variance Pos (Neg)</b>
Preliminary Engineering / Design	193,734.00	209,837.50	(16,103.50)
Environmental	1,793.00	1,793.00	-
AD-15 Processing	2,000.00	4,795.50	(2,795.50)
*Carbon Adsorption Unit	214,827.00	217,140.00	(2,313.00)
Construction	120,063.50	88,500.00	31,563.50
<b>Total</b>	<b>532,417.50</b>	<b>522,066.00</b>	<b>10,351.50</b>
<b>BUDGET FUNDING SOURCES</b>			
CSA 10 Reserves	532,417.50	387,066.00	145,351.50
Proposition 50 Funding	-	135,000.00	(135,000.00)
<b>Total</b>	<b>532,417.50</b>	<b>522,066.00</b>	<b>10,351.50</b>

\* Carbon Adsorption Unit \$210,000 , Overhead Charges \$17,140

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## LOCATION MAP

PROJECT NO. 300203

**CARBON ADSORPTION UNIT FOR CSA 10/10A**  
**CAYUCOS WATER TREATMENT PLANT**

COUNTY OF SAN LUIS OBISPO, CA.  
DEPARTMENT OF PUBLIC WORKS

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# IN THE BOARD OF SUPERVISORS

County of San Luis Obispo, State of California

\_\_\_\_\_ day \_\_\_\_\_, 20\_\_\_\_

PRESENT: Supervisors

ABSENT:

## RESOLUTION AUTHORIZING APPLICATION FOR A DEPARTMENT OF HEALTH SERVICES PROPOSITION 50 FUNDING PROGRAM GRANT, SUPERVISORIAL DISTRICT NO. 2

The following resolution is now offered and read:

**WHEREAS**, the San Luis Obispo County Board of Supervisors, as the governing Board of County Service Area No. 10 (District), has the authority to construct, operate, and maintain the County Service Area No. 10 Water Treatment Plant; and

**WHEREAS**, the District desires to assure that District's Water Treatment Plant meets minimum safe drinking water standards; and

**WHEREAS**, it is now necessary to complete the construction project for purchase and installation of certain improvements to District's Water Treatment Plant; and

**WHEREAS**, the California Department of Health Services has invited the District to apply for grant funds for those necessary improvements to District's Water Treatment Plant.

**NOW THEREFORE BE IT RESOLVED** by the San Luis Obispo County Board of Supervisors, as the governing Board of County Service Area No. 10 (Cayucos) that, pursuant and subject to all of the terms and provisions of the California Safe Drinking Water Bond Law and all amendments thereto;

1. The Director of Public Works is hereby authorized to apply to the California Department of Water Resources ("DWR") for funding to assure that the County Service Area No. 10, Cayucos Water Treatment Plant meets minimum safe drinking water standards.
2. The San Luis Obispo County Director of Public Works or his appointed designee is hereby authorized and directed to cause the necessary data to be prepared, investigations to be performed and application to be signed and filed with DHS.

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Upon motion of Supervisor \_\_\_\_\_, seconded by Supervisor \_\_\_\_\_, and on the following roll call vote, to wit:

AYES:

NOES:

ABSENT:

ABSTAINING:

the foregoing Resolution is hereby adopted.

\_\_\_\_\_  
Chairperson of the Board of Supervisors

ATTEST:

\_\_\_\_\_  
Clerk of the Board of Supervisors

[SEAL]

APPROVED AS TO FORM AND LEGAL EFFECT:

JAMES B. LINDHOLM, JR.  
County Counsel

By: *[Signature]*  
Deputy County Counsel

Dated: 1/26/06

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STATE OF CALIFORNIA, }  
County of San Luis Obispo, } ss.

I, \_\_\_\_\_, County Clerk and ex-officio Clerk of the Board of Supervisors, in and for the County of San Luis Obispo, State of California, do hereby certify the foregoing to be a full, true and correct copy of an order made by the Board of Supervisors, as the same appears spread upon their minute book.

WITNESS my hand and the seal of said Board of Supervisors, affixed this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_.

(SEAL)

\_\_\_\_\_  
County Clerk and Ex-Officio Clerk of the Board of Supervisors

By \_\_\_\_\_  
Deputy Clerk.

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